Object
To improve shear strength of soft clay for basement excavation works using deep soil mixing method, soil-cement column construction.

Project Description
Up to -8.6m deep excavations in soft clay for construction of foundation footings and basement floors of a shopping complex and office tower.

Type of Work
Construction of block type soil retaining walls with soil-cement columns.

Owner
Central Plaza Public Company Limited.

Main Contractor
Ritta Co., Ltd.

Project Schedule
April-May 2007

Construction Method
• Mechanical Deep Soil Mixing

Construction Details
Soil-Cement Columns: 874 (Ø1.0mx12m)

Subsoil Conditions
Soft clay: 0.0-16.5m
Medium clay: 14.8-20.5m
Stiff clay: 16.5-21.5m
Clayey fine sand: 16.2-25.0m

REFERENCES: